



1-HOUR OZONE ATTAINMENT

WE DID IT!

LOUISIANA DEPARTMENT OF **ENVIRONMENTAL QUALITY**

■ SECRETARY MIKE D. MCDANIEL, Ph.D.



Gus VonBodungen



1-HOUR OZONE NONATTAINMENT PARISHES

The State of Louisiana has made significant progress in reducing the number of ozone nonattainment areas.



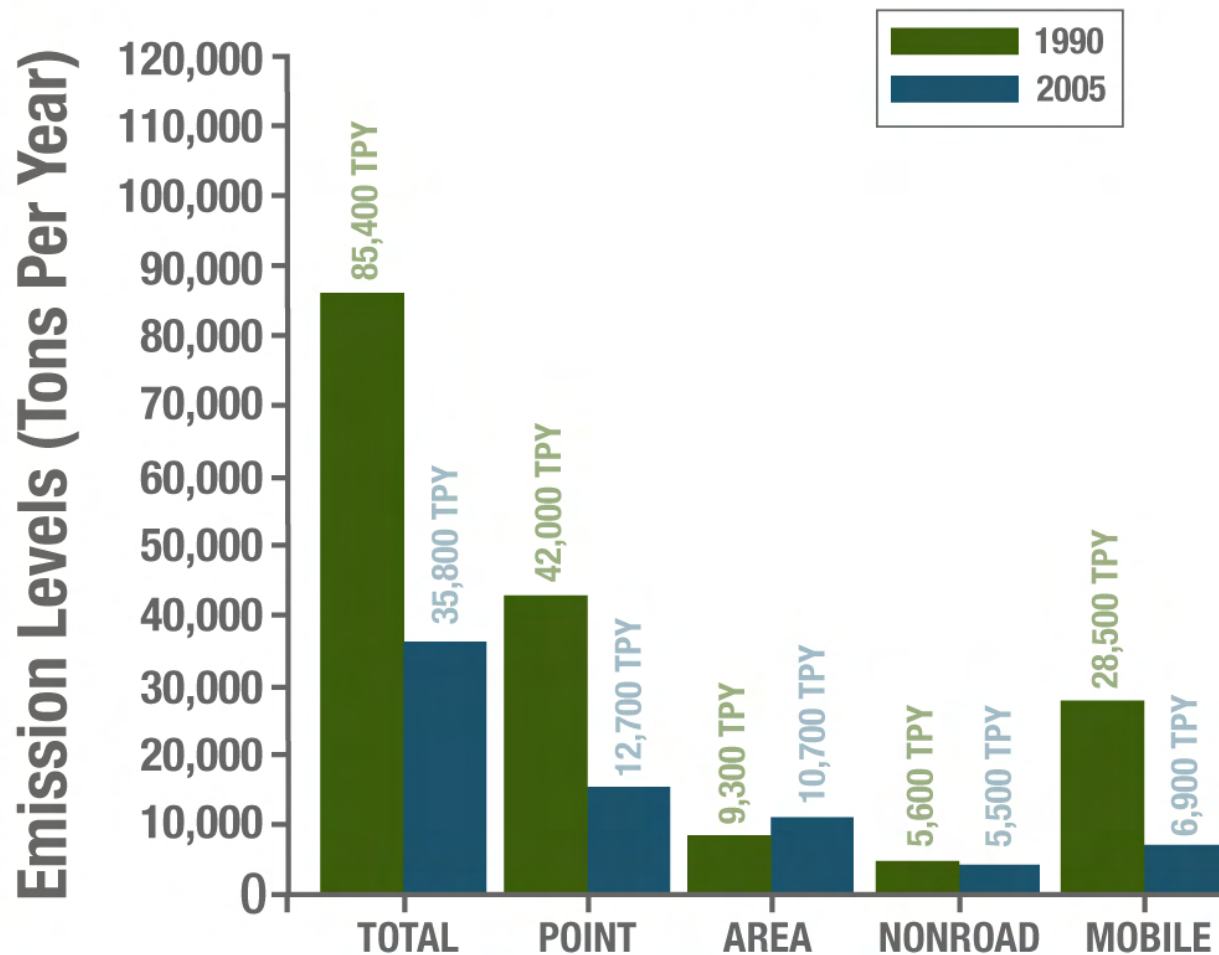


1-HOUR OZONE PROGRESS

	1990	2006
Number of Hourly Exceedances	31	4
Number of Exceedance Days	14	4
Total Hours of Exceedance	75	4
Maximum Hourly Concentration	202	145
Design Value (4th Highest Over 3 Years)	168	124
Number of Nonattainment Monitors	5	0

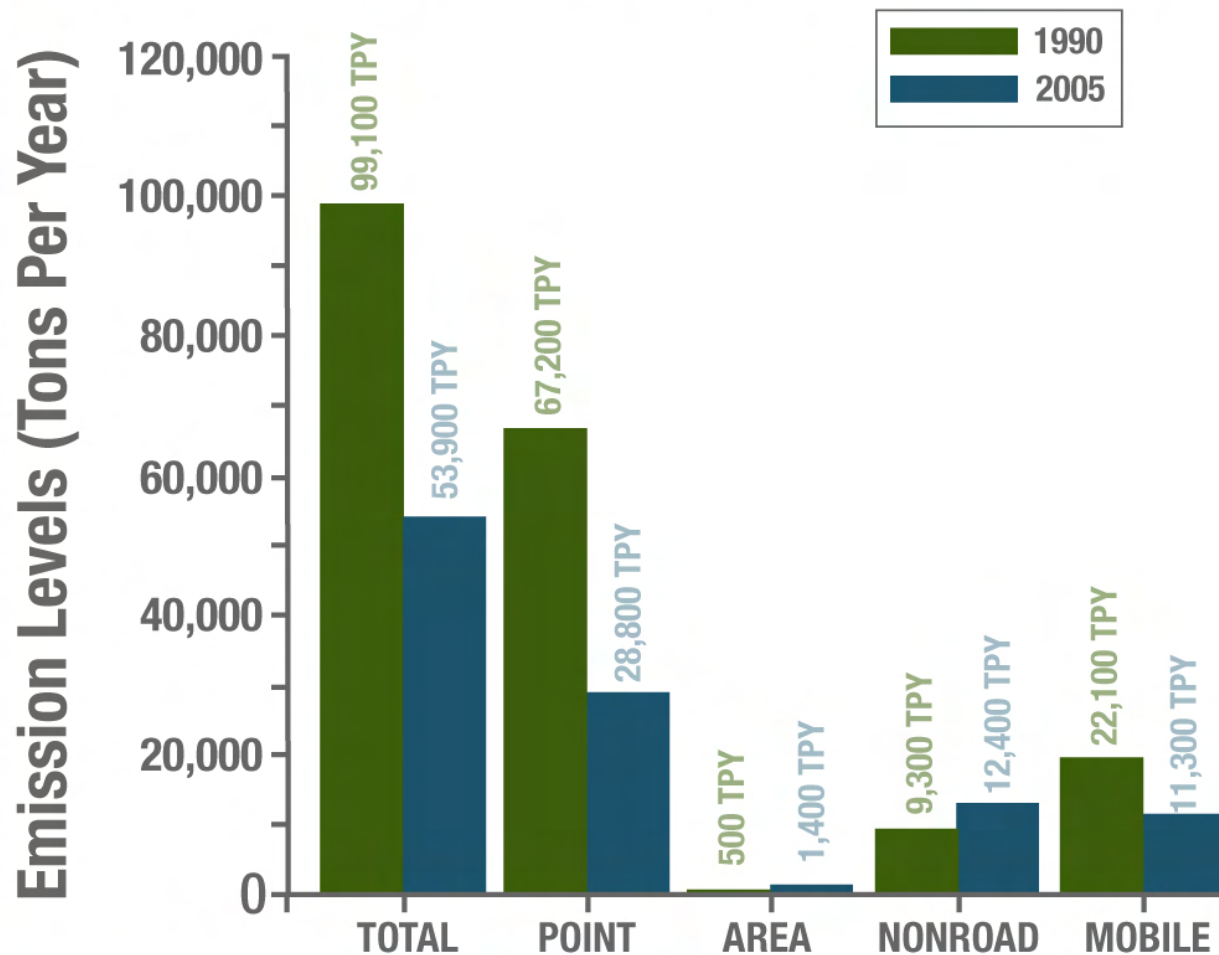


5-PARISH VOC EMISSIONS





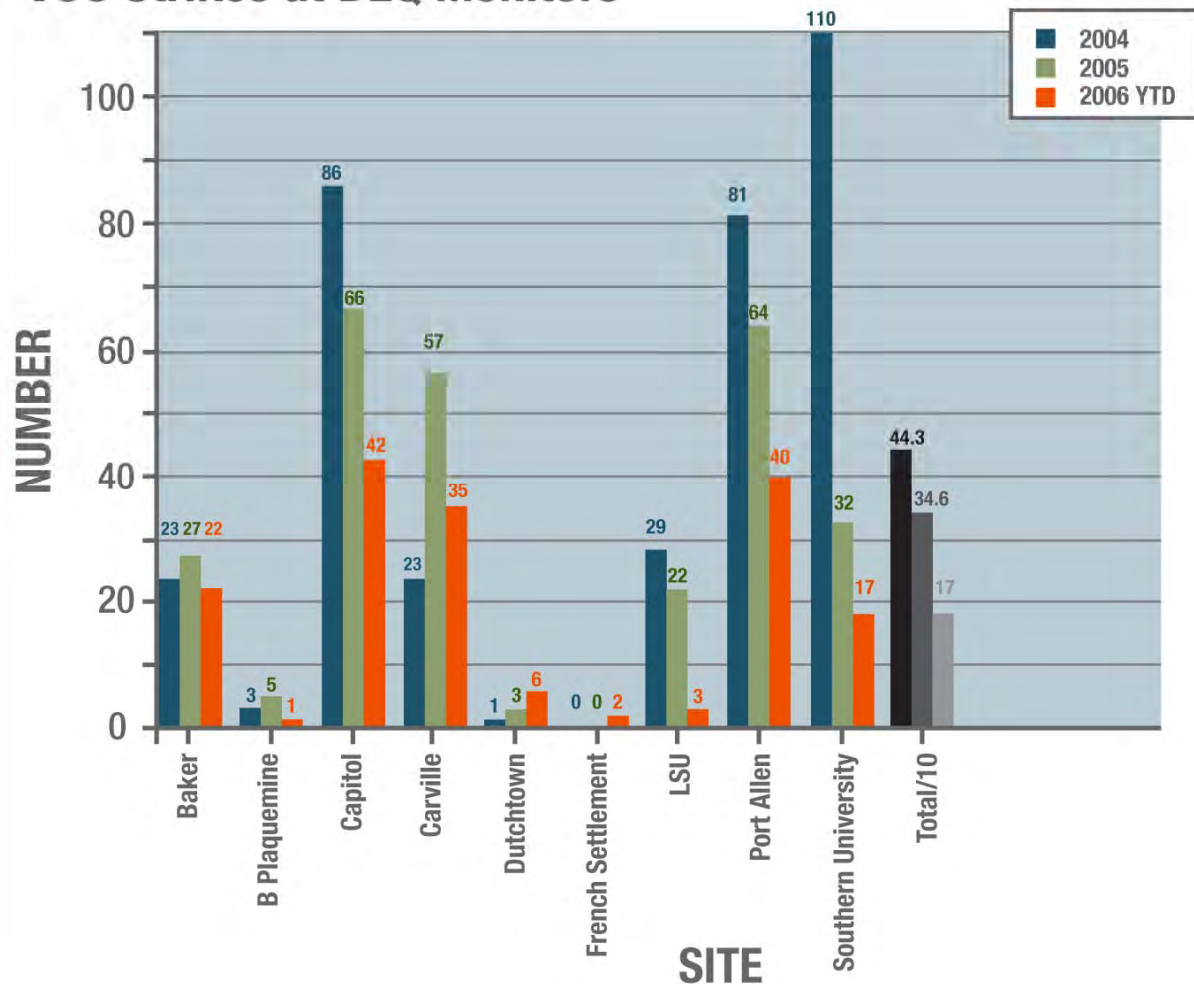
5-PARISH NO_x EMISSIONS





AOC MONITORING RESULTS

VOC Strikes at DEQ Monitors





AOC MONITORING RESULTS

Findings (cont'd)

- Chapter 39 HRVOC reportable quantities (RQs) have declined significantly.

CHAPTER 39 HRVOC REPORTABLE QUANTITIES: >100 LBS

	Number	Total Amount (lbs)	>1000 (lbs)	>10,000 (lbs)	Largest (lbs)
2003 (1)	24	64,600	10	1	18,000
2004	71	250,000	25	3	66,000
2005	24	80,000	10	3	21,000
Thru 9/10/06	11	49,000	6	1	15,000



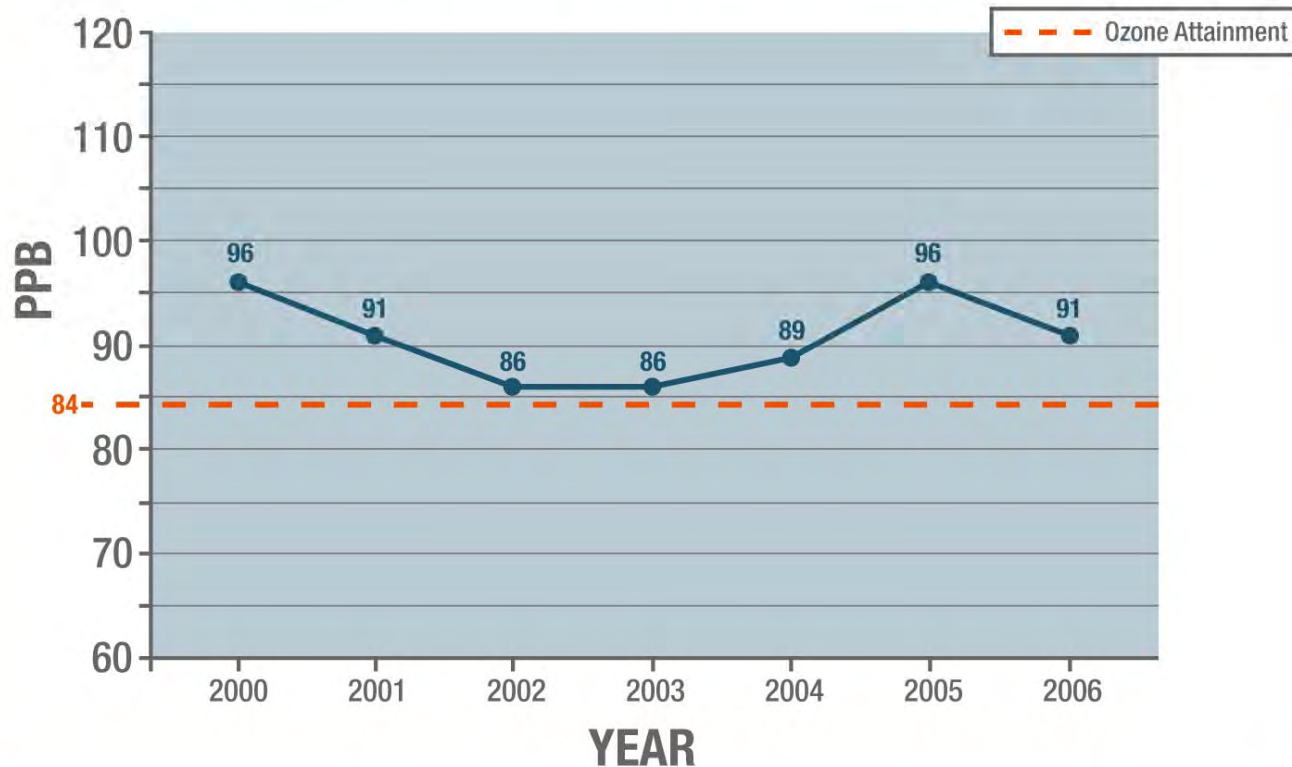
AIR TOXICS

For 2005 and 2006:
There were no measured exceedances
of Louisiana's standards for toxic air
pollutants at any of our monitoring
sites around the state.



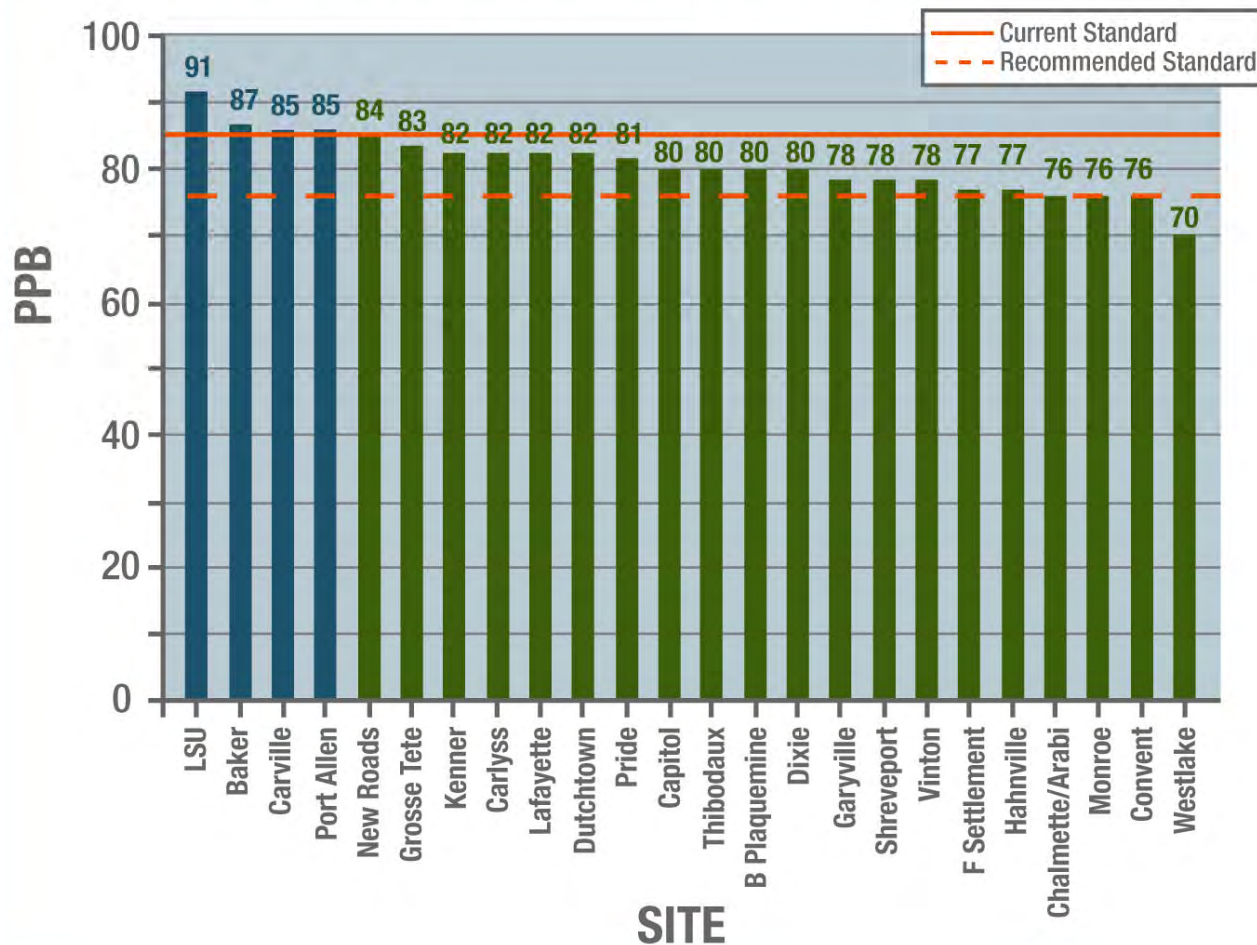
8-HOUR OZONE STANDARD

Baton Rouge Area 8-Hour Ozone Design Value





Baton Rouge Area 8-Hour Ozone Design Value



*As of December 31, 2006



SOUTH COAST AIR MANAGEMENT DISTRICT V. ENVIRONMENTAL PROTECTION AGENCY

United States Court of Appeals
District of Columbia Circuit

December 22, 2006 Opinion
Concerning EPA's 2004 Phase 1
8-Hour Ozone Implementation Rule

➤ **Vacates EPA's 2004 Rule and
Remands the Matter to EPA**



SOUTH COAST AIR MANAGEMENT DISTRICT V. ENVIRONMENTAL PROTECTION AGENCY

Relevant Background

- Under the 1-hour ozone standard, five-parish Baton Rouge ozone nonattainment area was “bumped up” to “*severe*” from its former “*serious*” classification and as a *severe* area had an attainment date of Nov. 15, 2005 which the area did not meet. The Baton Rouge area did meet the 1-hour standard at the end of 2006.
- Court concluded that measures including one-hour penalties, rate-of-progress milestones, contingency plans, and motor vehicle conformity demonstrations are “controls” “...and that withdrawing any of them from a SIP would constitute impermissible backsliding.” (section VI. B, pg. 31 of 12/22/06 ruling)



SOUTH COAST AIR MANAGEMENT DISTRICT V. ENVIRONMENTAL PROTECTION AGENCY

Issues:

- Nonattainment New Source Review
- Section 185 Penalty Fees
- Contingency Measures
- Reformulated Gasoline
- Conformity



NEXT STEPS

- Stay tuned for EPA's response to the DC Circuit Court ruling. Follow implications for the Baton Rouge area and respond accordingly.
- Request "finding of attainment" from EPA.
- Baton Rouge area will be "bumped up" from marginal to moderate by the end of 2007 with an attainment date of 6/15/2010.
- Continue efforts for attainment of the 8-hour ozone standard.
- Meanwhile, things working for us include:
 - Clean Air Interstate Rule
 - Vehicle fleet turnover to cleaner vehicles
 - Cleaner fuels
 - Continued attention to industrial releases
 - Attention to barge emissions
 - HAWK and MAML



CONTINUE TO DEPLOY NEW TECHNOLOGY TO TARGET AIR QUALITY – THE HAWK

Infrared gas imaging camera

- Able to “see” emissions and leaks either handheld or from a helicopter
- Mobile – can identify leaks at industrial facilities, pipelines, barges, tank farms, railcars and trucks
- DEQ has purchased a handheld HAWK that will be used to spot leaks and help improve air quality





HAWK Camera - what it sees



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LDEQ MAML



- Will monitor for VOCs, NO_x, Ozone, Sulfur Dioxide, particulate matter, mercury, and more
- Mobile so it can go where the problems are
- Will allow quick analyses of the problem
- Speed investigations
- New tool in the arsenal to improve air quality



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